

118415
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 6850
NIIN: 001395297
Manufacturer's CAGE: 50159
Part No. Indicator: B
Part Number/Trade Name: RAIN-X "THE INVISIBLE WINDSHIELD WIPER"

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General Information

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Item Name: RAIN REPELLENT,WINDSHIELD
Company's Name: UNELKO CORP
Company's Street: 7428 E KAREN DR
Company's P. O. Box:
Company's City: SCOTTSDALE
Company's State: AZ
Company's Country: US
Company's Zip Code: 85260-6923
Company's Emerg Ph #: 602-991-7272
Company's Info Ph #: 602-991-7272
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 002
Tot Safety Entries This Stk#: 008
Status: FE
Date MSDS Prepared: 01OCT89
Safety Data Review Date: 27FEB96
Supply Item Manager: CX
MSDS Preparer's Name: UNKNOWN
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:

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Other MSDS Number:
MSDS Serial Number: BTHLM
Specification Number: MIL-W-6882F
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: F3
Unit Of Issue: BT
Unit Of Issue Container Qty: 8 FL OZ
Type Of Container: BOTTLE
Net Unit Weight: 0.4 LB

Report for NIIN: 001395297

NRC/State License Number: NOT RELEVANT
Net Explosive Weight: N/R
Net Propellant Weight-Ammo: N/R
Coast Guard Ammunition Code: N/R

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: ETHYL ALCOHOL (ETHANOL)
Ingredient Sequence Number: 01
Percent: >90
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: KQ6300000
CAS Number: 64-17-5
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM; 9394
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: SULFURIC ACID (SARA III)
Ingredient Sequence Number: 02
Percent: <1
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: WS5600000
CAS Number: 7664-93-9
OSHA PEL: 1 MG/M3
ACGIH TLV: 1 MG/M3; 9394
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR, COLORLESS LIQUID. ALCOHOL ODOR.

Boiling Point: 172F,78C

Melting Point: UNKNOWN

Vapor Pressure (MM Hg/70 F): 33 MMHG

Vapor Density (Air=1): >1

Specific Gravity: 0.800

Decomposition Temperature: UNKNOWN

Evaporation Rate And Ref: 1.5 (N-BUTYL ACETATE=1)

Solubility In Water: SOLUBLE

Percent Volatiles By Volume: 91

Viscosity: UNKNOWN

pH: N/R

Radioactivity: NOT RELEVANT

Form (Radioactive Matl):

Magnetism (Milligauss): N/P

Corrosion Rate (IPY): UNKNOWN

Autoignition Temperature: N/K

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Fire and Explosion Hazard Data

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Flash Point: 65.0F,18.3C

Flash Point Method: TOC

Lower Explosive Limit: N/K

Upper Explosive Limit: N/K

Extinguishing Media: USE CARBON DIOXIDE ON SMALL FIRES. USE FOAM (ALCOHOL,

POLYMER OR ORDINARY) AND WATER SPRAY FOR LARGE FIRES.

Special Fire Fighting Proc: USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire And Expl Hazrds: KEEP FIRE-EXPOSED CONTAINERS COOL WITH WATER. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND; THEY

MAY THEN BE IGNITED BY FLAMES, SPARKS, ETC.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): EXCESS HEAT, SPARKS, FLAMES.

Materials To Avoid: STRONG OXIDIZING MATERIALS, ALDEHYDES, HALOGENS AND D

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CONCENTRATED MINERAL ACIDS.

Hazardous Decomp Products: THERMAL DECOMPOSITION OR BURNING MAY PRODUCE

CARBON MONOXIDE/DIOXIDE AND/OR SILICON OXIDES.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): N/K

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Health Hazard Data

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LD50-LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: CONTACT WITH EYES WILL CAUSE IRRITATION.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT CARCINOGENIC.

Signs/Symptoms Of Overexp: PROLONGED CONTACT WITH SKIN MAY CAUSE DRYING.

EXCESSIVE INHALATION OF VAPORS CAN CAUSE IRRITATION, DIZZINESS, WEAKNESS,

NAUSEA, HEADACHE AND A NARCOTIC REACTION. IF SWALLOWED MAY CAUSE STOMACH

CRAMPS, NAUSEA, VOMITING AND/OR DIARRHEA.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: FOR EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF

WATER. FOR PROLONGED SKIN CONTACT, WASH WITH SOAP AND WATER AND APPLY SKIN

CREAM/LUBRICATING OINTMENT. FOR INHALATION, REMOVE TO FRESH AIR. IF SWALLOWED, DRINK WATER AND INDUCE VOMITING. FOR ANY EMERGENCY, OBTAIN MEDICAL ATTENTION. CLOTHING SOAKED WITH PRODUCT SHOULD BE CHANGED IMMEDIATELY.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE ABSORBENT MATERIAL TO COLLECT AND CONTAIN FOR DISPOSAL. CONTAIN LARGE SPILLS AND PUMP INTO A SUITABLE TANK OR

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VESSEL. WASH AREA WITH DETERGENT SOLUTION AND RINSE THOROUGHLY WITH WA

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TER.

Neutralizing Agent: N/R

Waste Disposal Method: ALL LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION SHOULD BE REVIEWED TO DETERMINE APPROVED

DISPOSAL PROCEDURES.

Precautions-Handling/Storing: STORE IN WELL VENTILATED AREAS AT TEMPERATURES BELOW 120F AND AWAY FROM ANY IGNITION SOURCE.

Other Precautions: SINCE EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUES (VAPOR, LIQUID AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA

SHEET MUST BE OBSERVED.

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Control Measures

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Respiratory Protection: WHEN HANDLING OR TRANSFERRING LARGE QUANTITIES OF

OPEN OR BULK MATERIAL IN AN ENCLOSED ROOM, USE SELF-CONTAINED BREATHING

APPARATUS.

Ventilation: PROVIDE SUFFICIENT AMBIENT OR MECHANICAL EXHAUST VENTILATION

TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves: FOR DRUM QUANTITIES, RUBBER GLOVES.

Eye Protection: CHEMICAL WORKERS' GOGGLES/FACE SHIELD.

Other Protective Equipment: CLEAN, BODY-COVERING CLOTHING. BOOTS AND APRONS DEPENDING ON EXPOSURE.

Work Hygienic Practices: EYE FOUNTAIN AND SAFETY SHOWER SHOULD BE AVAILABLE WHEN HANDLING OR TRANSFERRING LARGE QUANTITIES OF OPEN/BULK MATERIAL.

Suppl. Safety & Health Data: FORMULA CHANGED. FOR PREVIOUS FORMULATION

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SEE PNI A, SAME NSN.

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Transportation Data

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Transportation Action Code:

Transportation Focal Point: D

Trans Data Review Date: 96058

DOT PSN Code: FTN

DOT Symbol:

DOT Proper Shipping Name: ETHANOL OR ETHYL ALCOHOL OR ETHANOL SOLUTIONS OR

ETHYL ALCOHOL SOLUTIONS

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DOT Class: 3
DOT ID Number: UN1170
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
DOT/DoD Exemption Number: NOT RELEVANT
IMO PSN Code: GOQ
IMO Proper Shipping Name: ETHANOL
IMO Regulations Page Number: 3219
IMO UN Number: 1170
IMO UN Class: 3.2
IMO Subsidiary Risk Label: -
IATA PSN Code: KXQ
IATA UN ID Number: 1170
IATA Proper Shipping Name: ETHANOL
IATA UN Class: 3
IATA Subsidiary Risk Class:

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IATA Label: FLAMMABLE LIQUID
AFI PSN Code: KXQ
AFI Symbols:
AFI Prop. Shipping Name: ETHANOL OR ETHANOL SOLUTIONS OR ETHYL ALCOHOL
OR
EHTYL ALCOHOL SOLUTIONS
AFI Class: 3
AFI ID Number: UN1170
AFI Pack Group: II
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref: A7.3
MMAC Code: NR
N.O.S. Shipping Name: CONTAINS >90% ETHYL ALCOHOL.
Additional Trans Data: IMO PROPER SHIPPING NAME: CARRIAGE OF DANGEROUS
GOODS IN LIMITED QUANTITIES.

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Disposal Data

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Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:

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1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES
Technical Review Date: 11MAY94
Label Date:
MFR Label Number: N/R
Label Status: F
Common Name: RAIN-X "THE INVISIBLE WINDSHIELD WIPER"
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:

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Contact Hazard-Slight: X
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate: X
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: IN CASE OF SPILL: USE ABSORBENT MATERIAL TO
COLLECT AND CONTAIN FOR DISPOSAL. CONTAIN LARGE SPILLS AND PUMP INTO A
SUITABLE TANK OR VESSEL. WASH AREA WITH DETERGENT SOLUTION AND RINSE
THOROUGHLY WITH WATER. FIRST AID: FOR EYE CONTACT, FLUSH WITH COPIOUS

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AMOUNTS OF WATER. FOR PROLONGED SKIN CONTACT, WASH WITH SOAP AND WATER AND

APPLY SKIN CREAM/LUBRICATING OINTMENT. FOR INHALATION, REMOVE TO FRESH AIR.

IF SWALLOWED, DRINK WATER AND INDUCE VOMITING. FOR ANY EMERGENCY, OBTAIN

MEDICAL ATTENTION. CLOTHING SOAKED WITH PRODUCT SHOULD BE CHANGED IMMEDIATELY.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: UNELKO CORPORATION

Label Street: 7428 E KAREN DR

Label P.O. Box:

Label City: SCOTTSDALE

Label State: AZ

Label Zip Code: 85260-6923

Label Country: US

Label Emergency Number: 602-991-7272

Year Procured: